

LNP™ LUBRICOMP™ AG5LT2 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP* LUBRICOMP* AG5LT2 Is a compound based on PA66 resin, containing Glass Fiber and PTFE. Added features include: Internally Lubricated

Also known as: LNP* LUBRICOMP* Compound AG5LT2

Product reorder name: AG5LT2

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 to 0.40	%	Internal Method
Water Absorption (23°C, 24 hr)	0.74	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ISO 527-2/1
Tensile Stress (Break)	168	MPa	ISO 527-2/5
Tensile Strain (Yield)	3.4	%	ISO 527-2/5
Flexural Modulus ¹	7900	MPa	ISO 178
Flexural Stress	234	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	0.42		ASTM D3702 Modified
Flexural Strain at Break ²	3.7	%	ISO 178
Wear Factor - Washer	11.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	11	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	55	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	259	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	246	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.5E-5	cm/cm/°C	
Transverse : 23 to 60°C	9.9E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	

Rear Temperature	266 to 277	°C
Middle Temperature	282 to 293	°C
Front Temperature	293 to 304	°C
Processing (Melt) Temp	282 to 304	°C
Mold Temperature	93.3 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

1.	2.0 mm/min
2.	2 mm/min
3.	80*10*4
4.	80*10*4
5.	80*10*4 mm

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